

REMARKS

Status Summary

In this amendment, no claims are added, and claim 25 is cancelled. Therefore, upon entry of this amendment, claims 15, 16, 26, 31, 34, 38, 39, and 41-50 will be pending.

Claim Rejections 35 U.S.C. §102

Claims 15, 16, 25, and 31 are rejected under 35 U.S.C. §102(b) as anticipated by U.S. Patent No. 6,291,137 to Lyons et al., (hereinafter, "Lyons"). This rejection is respectfully traversed.

Independent claims 15 and 16 respectively recite a system and plurality of multi-periodic nanometer-scale electro-mechanical devices that are formed using the steps recited therein for edge-definition lithography. On page 5, the Official Action indicates:

It is noted that the features upon which applicant relies (i.e., structure that includes plural nanometer-pitched channels) are not recited in the rejected claim(s).

In response, each of claims 15 and 16 has been amended to recite that the devices each include a plurality of nanometer-pitched channels formed on the substrate. Thus, claims 15 and 16 recite with plural nanometer-pitched, edge-defined channels on a substrate. There is absolutely no disclosure, teaching, or suggestion in Lyons of forming plural nanometer-pitched channels on a substrate using edge-definition lithography as claimed. As set forth in applicants' response to the previous Official Action, the semiconductor structure described in Lyons forms only a single sidewall by conductive film 12 and sidewall film 18A. (See Figure 5 of Lyons.) Because Lyons discloses a structure and a process for forming only a single sidewall and no channels, it is respectfully submitted that the rejection of claims 15, 16, and dependent claim 31 should be withdrawn.

Claim 25 is cancelled. Accordingly, the rejection of claim 25 is now moot.

Allowable Claims

Claim 26 is objected to as being dependent upon a rejected based claim but was indicated as allowable if rewritten in independent form. Claim 26 has been amended to include all of the elements of claim 25. Accordingly, claim 26 should now be allowed.

Allowed Claims

Claims 34, 38, 39, and 41-50 are allowed. No changes were made to these claims. Accordingly, these claims should remain allowed.

Conclusion

In light of the above amendments and remarks, it is respectfully submitted that the present application is now in proper condition for allowance, and an early notice to such effect is earnestly solicited.

If any small matter should remain outstanding after the Patent Examiner has had an opportunity to review the above Remarks, the Patent Examiner is respectfully requested to telephone the undersigned patent attorney in order to resolve these matters and avoid the issuance of another Official Action.

DEPOSIT ACCOUNT

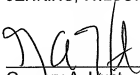
The Commissioner is hereby authorized to charge any fees associated with the filing of this document, to Deposit Account No. **50-0426**.

Respectfully submitted,

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By: _____


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